



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	ACU/AG	AC/G/M	07/02/07
REV. 1	ACU/F	JF/G/M	05/29/15

APPROVED BY THE CITY OF EL CENTRO  
 PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION  
 R.C.E. 70281 05.29.15  
 DATE

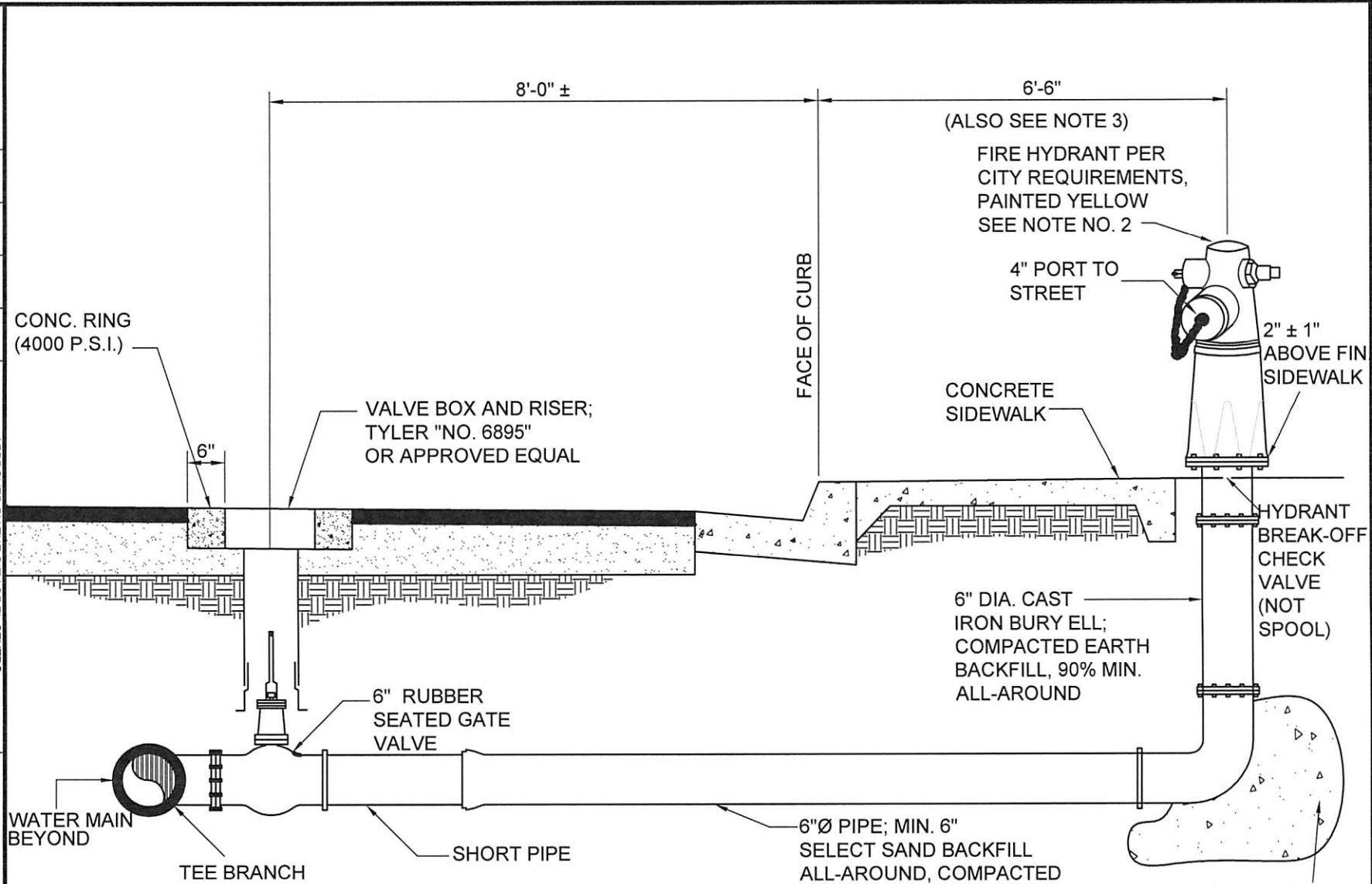
ABRAHAM CAMPOS, P.E.  
 SENIOR ENGINEER  
 R.C.E. 24740 05.29.15  
 DATE

TERRY L. HAGEN, P.E.  
 DIRECTOR OF PUBLIC WORKS  
 R.C.E. 24740 05.29.15  
 DATE

**CITY OF EL CENTRO**  
 PUBLIC WORKS DEPARTMENT

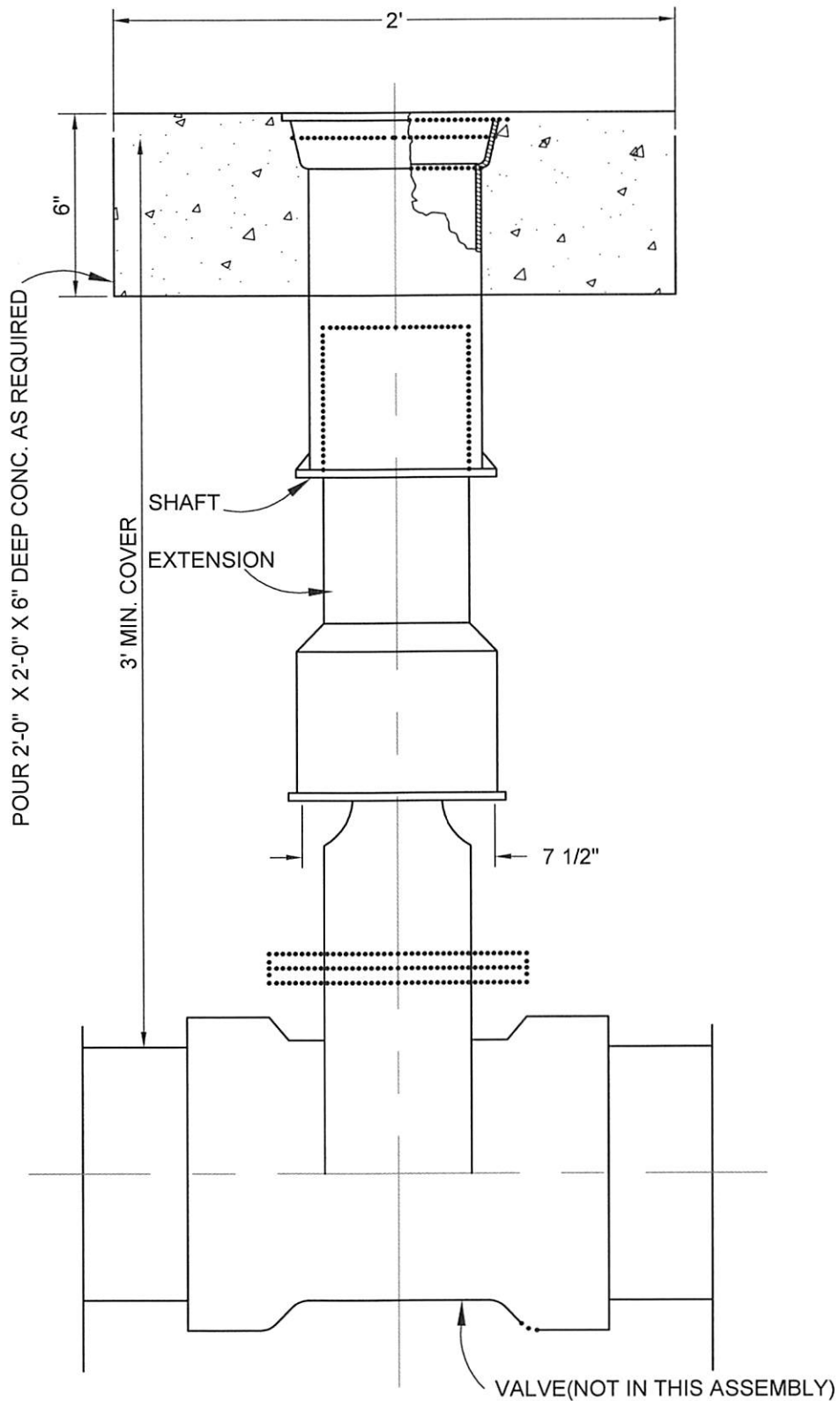
**FIRE HYDRANT**  
 DETAIL

DWG. NO. **EC-700**



**NOTES:**

1. ALL EARTH BACKFILL TO BE COMPACTED 90% MIN. AND TESTED ONCE AT EACH FIRE HYDRANT LOCATION.
2. COMMERCIAL: JAMES JONES MODEL J-3765 W/ 6-HOLE PATTERN BASE; PLASTIC CAPS; AND 2-2 1/2 AND 1-4" OUTLETS.  
 RESIDENTIAL: JAMES JONES MODEL J-3700 w/6 - HOLE 1-2 1/2 & 1 - 4" OUTLET
3. FIRE HYDRANTS TO BE MIN. 6 FT. CLEAR OF OBSTRUCTIONS (I.E LIGHTS; MAIL BOXES; FENCES AND SIGNS).
4. SEE "SIDEWALK FIRE HYDRANT & UTILITY POLE LOCATION STANDARD FOR FIRE HYDRANT PLACEMENT EC-401.



**CAST IRON VALVE BOX**



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	AC/JAG	A.C./G.M.	07/02/07
REV. 1	AC/JF	J.F./G.M.	05/29/15

APPROVED BY THE CITY OF EL CENTRO  
PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

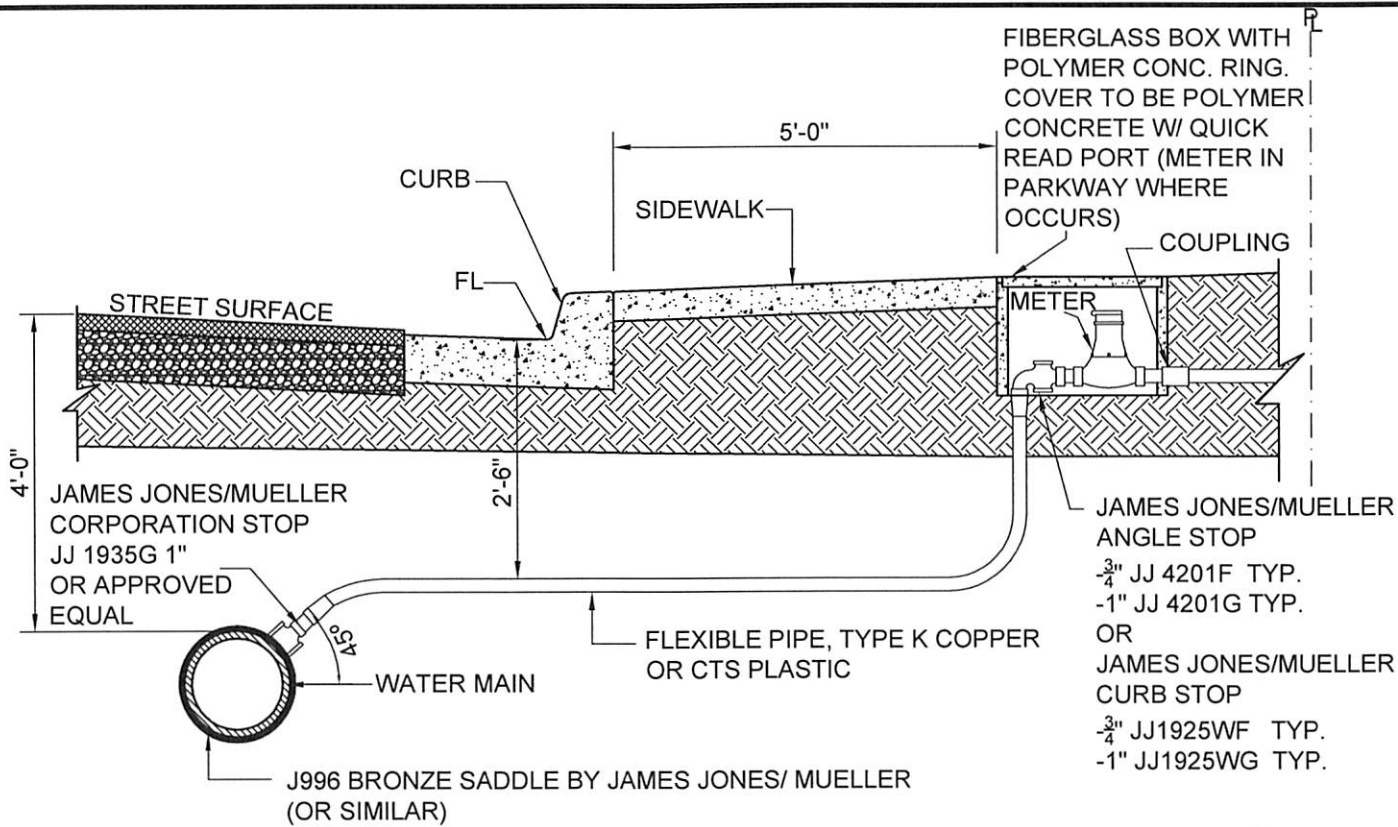
ABRAHAM CAMPOS, P.E.  
SENIOR ENGINEER  
R.C.E. 70281 05.29.15  
DATE

TERRY L. HAGEN, P.E.  
DIRECTOR OF PUBLIC WORKS  
R.C.E. 24740 05.29.15  
DATE

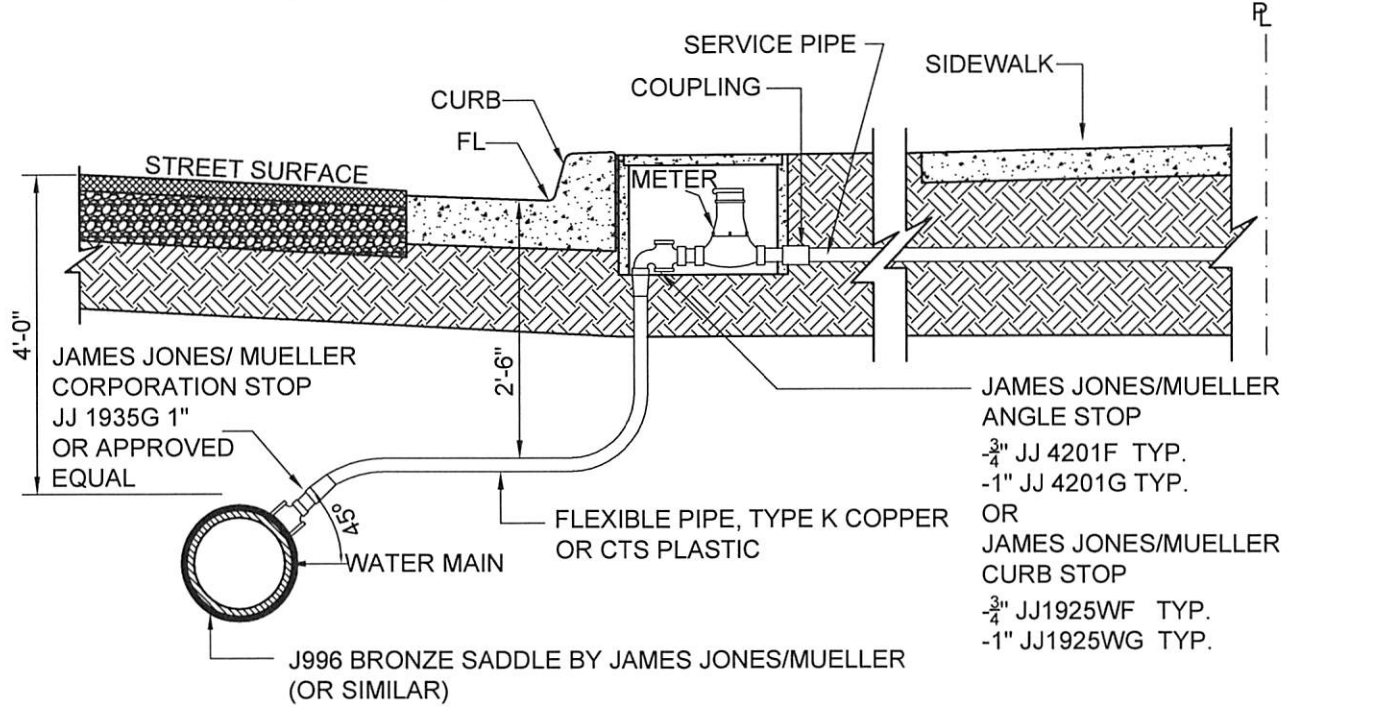
**CITY OF EL CENTRO**  
PUBLIC WORKS DEPARTMENT

**VALVE BOX & COVER**  
**ASSEMBLY TYPICAL**

DWG NO. **EC-701**



JAMES JONES/MUELLER ANGLE STOP  
 $\frac{3}{4}$ " JJ 4201F TYP.  
 $\frac{1}{2}$ " JJ 4201G TYP.  
 OR  
 JAMES JONES/MUELLER CURB STOP  
 $\frac{3}{4}$ " JJ1925WF TYP.  
 $\frac{1}{2}$ " JJ1925WG TYP.



JAMES JONES/MUELLER ANGLE STOP  
 $\frac{3}{4}$ " JJ 4201F TYP.  
 $\frac{1}{2}$ " JJ 4201G TYP.  
 OR  
 JAMES JONES/MUELLER CURB STOP  
 $\frac{3}{4}$ " JJ1925WF TYP.  
 $\frac{1}{2}$ " JJ1925WG TYP.

**NOTE:**

-ALL LOT SERVICE LATERALS TO BE INSTALLED PRIOR TO PAVING STREET, INCLUDING FIRE SPRINKLER PREVENTION SERVICE.

-METER SHALL NOT BE PLACED IN DRIVEWAY LOCATIONS

- ALL MATERIALS TO BE REVIEWED AND APPROVED BY THE CITY PRIOR TO CONSTRUCTION



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	AC/JAG	A.C./G.M.	07/02/07
REV. 1	AC/JF	J.F./G.M.	05/29/15

APPROVED BY THE CITY OF EL CENTRO  
 PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

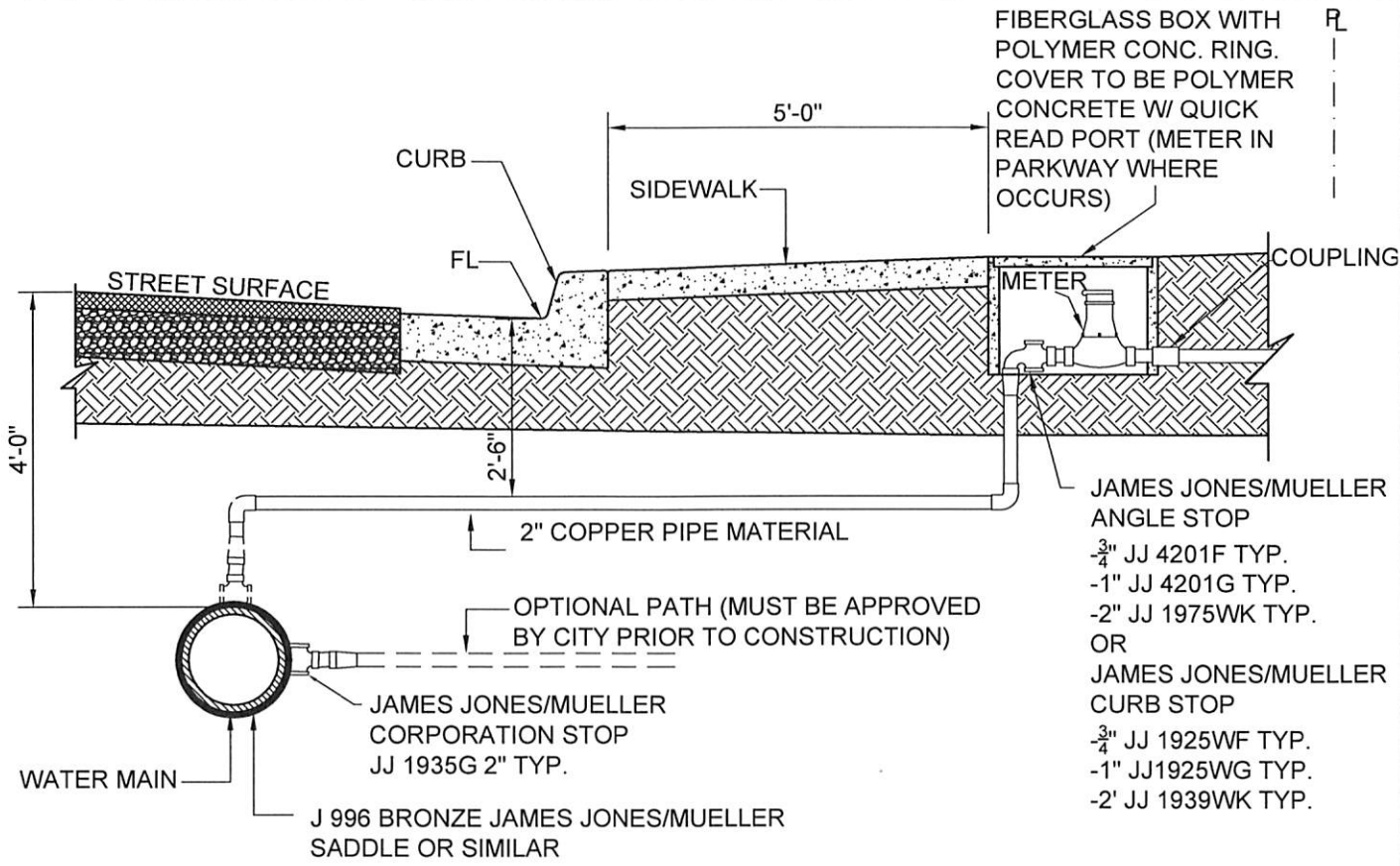
ABRAHAM CAMPOS, P.E.  
 SENIOR ENGINEER  
 R.C.E. 70281 05.29.15  
 DATE

TERRY L. HAGEN, P.E.  
 DIRECTOR OF PUBLIC WORKS  
 R.C.E. 24740 05.29.15  
 DATE

**CITY OF EL CENTRO**  
 PUBLIC WORKS DEPARTMENT

**TYPICAL WATER METER  
 INSTALLATION**

DWG NO. **EC-703**



FIBERGLASS BOX WITH POLYMER CONC. RING. COVER TO BE POLYMER CONCRETE W/ QUICK READ PORT (METER IN PARKWAY WHERE OCCURS)

CURB

FL

5'-0"

SIDEWALK

METER

COUPLING

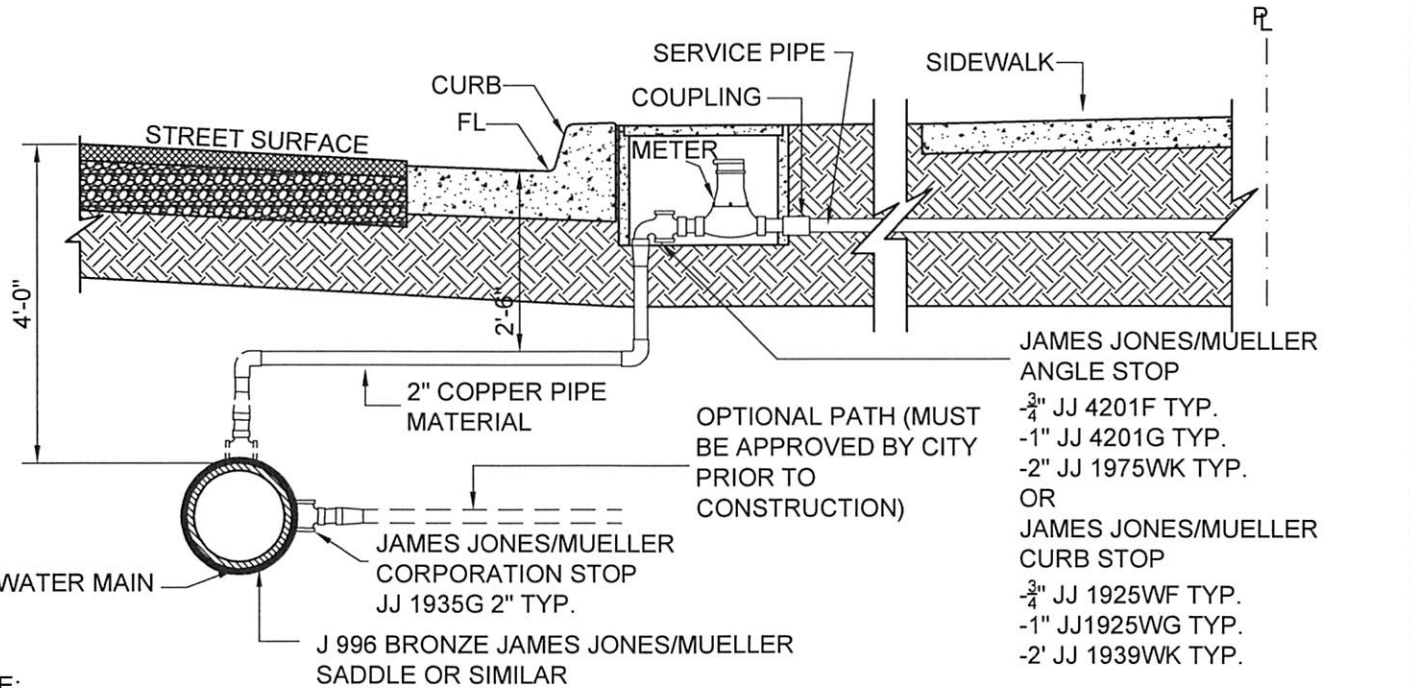
JAMES JONES/MUELLER ANGLE STOP  
 $\frac{3}{4}$ " JJ 4201F TYP.  
 -1" JJ 4201G TYP.  
 -2" JJ 1975WK TYP.  
 OR  
 JAMES JONES/MUELLER CURB STOP  
 $\frac{3}{4}$ " JJ 1925WF TYP.  
 -1" JJ1925WG TYP.  
 -2' JJ 1939WK TYP.

2" COPPER PIPE MATERIAL

OPTIONAL PATH (MUST BE APPROVED BY CITY PRIOR TO CONSTRUCTION)

JAMES JONES/MUELLER CORPORATION STOP JJ 1935G 2" TYP.

J 996 BRONZE JAMES JONES/MUELLER SADDLE OR SIMILAR



JAMES JONES/MUELLER ANGLE STOP  
 $\frac{3}{4}$ " JJ 4201F TYP.  
 -1" JJ 4201G TYP.  
 -2" JJ 1975WK TYP.  
 OR  
 JAMES JONES/MUELLER CURB STOP  
 $\frac{3}{4}$ " JJ 1925WF TYP.  
 -1" JJ1925WG TYP.  
 -2' JJ 1939WK TYP.

2" COPPER PIPE MATERIAL

OPTIONAL PATH (MUST BE APPROVED BY CITY PRIOR TO CONSTRUCTION)

JAMES JONES/MUELLER CORPORATION STOP JJ 1935G 2" TYP.

J 996 BRONZE JAMES JONES/MUELLER SADDLE OR SIMILAR

**NOTE:**

- ALL LOT SERVICE LATERALS TO BE INSTALLED PRIOR TO PAVING STREET, INCLUDING FIRE SPRINKLER PREVENTION SERVICE.
- METERS SHALL NOT BE PLACED IN DRIVEWAY LOCATIONS
- ALL MATERIALS TO BE REVIEWED AND APPROVED BY THE CITY PRIOR TO ANY CONSTRUCTION



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	AC/JAG	A.C./G.M.	07/02/07
REV. 1	AC/JF	J.F./G.M.	05/29/15

APPROVED BY THE CITY OF EL CENTRO  
 PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

R.C.E. 70281 05.29.15  
 DATE

ABRAHAM CAMPOS, P.E.  
 SENIOR ENGINEER

R.C.E. 24740 05.29.15  
 DATE

TERRY L. HAGEN, P.E.  
 DIRECTOR OF PUBLIC WORKS

**CITY OF EL CENTRO**  
 PUBLIC WORKS DEPARTMENT

**TYPICAL WATER METER  
 INSTALLATION 2" LATERAL**

DWG NO. **EC-704**

## WATER NOTES

1. ALL WATER LINES INSTALLED SHALL BE TESTED FOR HYDROSTATICALLY TESTED FOR LEAKAGE BASED ON THE "WATER PRESSURE TEST" SECTION OF THE MOST CURRENT VERSION OF THE "GREENBOOK: STANDARD SPECIFICATIONS FOR WORKS CONSTRUCTION"
2. ALL WATER LINES INSTALLED SHALL BE HIGH-CHLORINE AND BAC-T TESTED. TEST RESULTS TO BE REVIEWED FOR APPROVAL BEFORE THE WATERLINE CAN BE ACTIVATED.
3. DETECTABLE TAPE SHALL INSTALLED 1'-0" ABOVE THE WATERLINE
4. ALL COMPONENTS INSTALLED ALONG THE WATERLINE (I.E. FITTINGS, GATE VALVES, COUPLINGS, BURY ELS, ETC.) SHALL BE WRAPPED IN 8 MIL POLYETHYLENE PLASTIC BEFORE ANY BACKFILL IS COMPLETED.



REVISION	DESIGN	DRAWN	DATE
ORIGINAL	AC/JAG	A.C./G.M.	07/02/07
REV. 1	AC/JF	J.F./G.M.	05/29/15

APPROVED BY THE CITY OF EL CENTRO  
PUBLIC WORKS DEPARTMENT, ENGINEERING DIVISION

ABRAHAM CAMPOS, P.E. SENIOR ENGINEER	R.C.E. 70281    05.29.15 DATE
TERRY L. HAGEN, P.E. DIRECTOR OF PUBLIC WORKS	R.C.E. 24740    05.29.15 DATE

**CITY OF EL CENTRO**  
PUBLIC WORKS DEPARTMENT

**WATER NOTES**

DWG NO.    **EC-705**